STLE 1992 COMBINED SUBJECT AND AUTHOR INDEX

Each paper published during the indexed period is assigned a sequence number, the first two digits of which indicate the year in which the paper was published. The index may be entered either through the Subject Index or the Author Index.

The Subject Index design was revised in 1991, with keywords appearing in one of the following subject areas:

Bearings
Computing and Engineering Methods
Extreme Conditions Tribology
Friction
Human and Environmental
Lubricant Classes (by Application)
Lubricant Components
Lubricant Manufacture, Application and Disposal
Lubricant Properties and Problems
Lubrication Regimes
Maintenance and Condition Monitoring
Materials Properties and Tribology
Metalworking, Materials Machining
Seals
Surface Technology
Tribology of Equipment
Tribology in Industry
Wear and Failure

Inspection of the index will familiarize the user with the location of keywords. The sequence number of a paper appears next to the keywords which describe a significant part of the content of that paper.

The Author Index is an alphabetical listing of all authors of indexed papers, together with corresponding paper sequence numbers. Having determined the sequence numbers associated with a given subject or author, the papers to which these numbers refer may be found in the Chronological Listing. This Listing provides a complete reference for all papers published in 1992 issues of *Tribology Transactions* (**T35**) and *Lubrication Engineering* (**L48**), and in *Special Publications* **SP-32**, "Guidelines for Meeting Emission Regulations For Compressors with Advanced Sealing Systems," **SP-33**, "Guidelines for Controlling Fugitive Emissions with Valve Stem Sealing Systems," **SP-34**, "STLE Life Factors for Rolling Bearings," edited by E. V. Zaretsky, and **SP-35**, "Tribology and Mechanics of Magnetic Storage Systems, Volume VIII". The papers are listed by Author(s), Title, Publication, Volume Number (bold type), Issue Number, and Page Numbers and are in order of ascending sequence number.

An excellent source of general information in the field of tribology is the *Handbook of Lubrication*, edited by E. R. Booser and published by CRC Press under the sponsorship of STLE.

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92001 **Arakere, N. K.** and **Nelson, H. D.**, "An Analysis of Gas-Lubricated Foil-Journal Bearings," **T35**, 1, 1-10.

92002 **Basu, P.**, "Analysis of a Radial Groove Gas Face Seal," **T35**, 1, 11-20.

92003 **Kaymaram, F.**, **Saka, N.** and **Sharma, J. P.**, "Runout Effects in the Failure of Thin Film Rigid Magnetic Recording Disks," **T35**, 1, 21-28.

92004 **Knight, J. D.** and **Ghadimi, P.**, "Effects of Modified Effective Length Models of the Rupture Zone on the Analysis of a Fluid Journal Bearing," **T35**, 1, 29-36.

92005 **Nader, B. S.**, **Kar, K. K.**, **Morgan, T. A.**, **Pawloski, C. E.** and **Dilling, W. L.**, "Development and Tribological Properties of New Cyclotriphosphazene High Temperature Lubricants for Aircraft Gas Turbine Engines," **T35**, 1, 37-44.

92006 **Khonsari, M. M.** and **Dai, F-L.**, "On the Mixture Flow Problem in Lubrication of Hydrodynamic Bearings: Small Solid Volume Fraction," **T35**, 1, 45-52.

92007 **Shellef, R. A.** and **Johnson, R. P.**, "A Bi-Directional Gas Face Seal," **T35**, 1, 53-58.

92008 **Scieszka, S. F.**, "Sliding Erosion Mechanism and Measurement," **T35**, 1, 59-64.

92009 **Munson, J.** and **Pecht, G.**, "Development of Film Riding Face Seals for a Gas Turbine Engine," **T35**, 1, 65-70.

92010 **Masuda, T.**, **Ushijima, K.** and **Hamai, K.**, "A Measurement of Oil Film Pressure Distribution in Connecting Rod Bearing With Test Rig," **T35**, 1, 71-76.

92011 **Hanyaloglu, B.** and **Graham, E. E.**, "Effect of Surface Condition on the Formation of Solid Lubricating Films at High Temperatures," **T35**, 1, 77-82.

92012 **Green, I.** and **English, C.**, "Analysis of Elastomeric O-Ring Seals in Compression Using the Finite Element Method," **T35**, 1, 83-88.

92013 **Braza, J. F.**, "Rolling Contact Fatigue and Sliding Wear Performance of Ferritic Nitrocarburized M-50 Steel," **T35**, 1, 89-97.

92014 **Vijayaraghavan, D.** and **Keith, T. G. Jr.**, "Effect of Type and Location of Oil Groove on the Performance of Journal Bearings," **T35**, 1, 98-106.

92015 **Kawakubo, Y.** and **Tsuchiyama, R.**, "Velocity Dependence of Lifetime and Temperature Rise During Pin-on-Disk Type Sliding Tests on Coated Magnetic Disks," **T35**, 1, 107-113.

92016 **Dareing, D. W.** and **Dayton, R. D.**, "Non-Newtonian Behavior of Powder Lubricants Mixed With Ethylene Glycol," **T35**, 1, 114-120.

92017 **Fan, H.**, **Keer, L. M.** and **Mura, T.**, "Near Surface Crack Initiation Under Contact Fatigue," **T35**, 1, 121-127.

92018 **Tokuyama, M.** and **Yamaguchi, Y.**, "New Methods to Release Adhesion of Flying Head Sliders to Magnetic Disks," **T35**, 1, 128-134.

92019 **Wu, G-M.** and **Chen, Z-X.**, "The Numerical Study of Piston Ring Elastohydrodynamic Lubrication by the Multigrid Method," **T35**, 1, 135-141.

92020 **Salant, R. F.** and **Homiller, S. J.**, "The Effects of Shallow Groove Patterns on Mechanical Seal Leakage," **T35**, 1, 142-148.

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92028 **Harris, T. A.**, **Ragen, M. A.** and **Spitzer, R. F.**, "The Effect of Hoop and Material Residual Stresses on the Fatigue Life of High Speed, Rolling Bearings," **T35**, 1, 194-198.

92029 **Hardy, B. J.** and **Swartz, C. J.**, "Viscosity Building by Polymers and Shear Stability of Polymer Fortified Lubricating Oils," **T35**, 1, 199-203.

92030 **Chun, S. M.** and **Lalas, D. P.**, "Parametric Study of Inlet Oil Temperature and Pressure for a Half-Circumferential Grooved Journal Bearing," **T35**, 2, 213-224.

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92034 **Rodkiewicz, C. M.** and **Hou, K-P.**, "On the TEHL Theory. Part I: Dimensionless Problem Formulation," **T35**, 2, 253-260.

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92036 **Gupta, P. K.**, **Cheng, H. S.**, **Zhu, D.**, **Forster, N. H.** and **Schrand, J. B.**, "Viscoelastic Effects in MIL-L-7808-Type Lubricant, Part I: Analytical Formulation," **T35**, 2, 269-274.

92037 **Forster, N. H.**, **Schrand, J. B.** and **Gupta, P. K.**, "Viscoelastic Effects in MIL-L-7808-Type Lubricant, Part II: Experimental Data Correlations," **T35**, 2, 275-280.

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92039 **Erdemir, A.**, **Ajayi, O. O.**, **Fenske, G. R.**, **Erck, R. A.** and **Hsieh, J-H.**, "The Synergistic Effects of Solid and Liquid Lubrication on the Tribological Behavior of Transformation-Toughened ZrO_2 Ceramics," **T35**, 2, 287-297.

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